Attorney Docket No.: 103880-033 US

(610) 559-7918

p.2

Page 1 of 3

ON DEGÉARATION & POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD AND SYSTEM FOR MAXIMIZING DATA THROUGHPUT RATE IN A POWER LINE COMMUNICATIONS SYSTEM BY MODIFYING PAYLOAD SYMBOL LENGTH

the specification of which was filed on August 19, 2003 as United States application Serial No. 10/643,316.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Prior Foreign Applica                                | ation(s)                         |                              | Priority Claimed |
|--|----------------------------------|------------------------------|------------------|
| (Number)   | (Country)                        | (Day/Month/Yr. Filed)        | 🗆 yes 🗀 no       |
| (Number)   | (Country)                        | (Day/Month/Yr. Filed)        | □ yes □ no       |
| I hereby claim the bene<br>Application(s) listed bel | fit under 35 U.S.C. § 119<br>ow. | (e) of any United States Pro | ovisional        |
| 60/404,360<br>(Application Serial No                 | 8/19/02<br>(Filing Date)         |                              |                  |
| (Application Serial No                               | (Filing Date)                    |                              |                  |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35. United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

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Attorney Docket No.: 103880-033 US Page 2 of 3

| (Application Serial No.)   | (Filing Date)   | (Status)<br>(patented, pending, abandoned)   |
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| (Application Serial No.)   | (Filing Date)   | (Status) (patented, pending, abandoned)  |
| hereby declare that all states   | oonte made hossis s   | 6 mars accompliant and a classical and a second  |
| statements made on informati<br>tatements were made with th<br>are punished by fine or impris                                    | on and belief are be<br>e knowledge that wi<br>onment, or both, und<br>Iful false statements                | f my own knowledge are true and that ieved to be true; and further that these lful false statements and the like so many ler Section 1001 of Title 18 of the Unit may jeopardize the validity of the |
| statements made on informati<br>statements were made with th<br>are punished by fine or imprise<br>States Code and that such wil | on and belief are be<br>e knowledge that wi<br>onment, or both, und<br>Iful false statements<br>ed thereon. | ieved to be true; and further that these lful false statements and the like so mad ler Section 1001 of Title 18 of the Unit may jeopardize the validity of the                                       |

as my/our attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

**DIRECT TELEPHONE CALLS TO:** Davy E. Zoneraich (908) 25204282

| FULL NAME OF SOLE OR FIRST INVENTOR: Oleg Logvinov    |                  |
|---|------------------|
| INVENTOR'S SIGNATURE:                                 | DATE:            |
| RESIDENCE: East Propositely ALL                       | CITIZENSHIP: USA |
| POST OFFICE ADDRESS: 27 Beacon Hill Road, East Brunsv | vick. NJ 08816   |
|   |                  |

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Attorney Docket No.: 103880-033 US Page 3 of 3

| FULL NAME OF SECOND INVENTOR: Dirk Wal                       | vis            |
|--|----------------|
| INVENTOR'S SIGNATURE:  | DATE:          |
| RESIDENCE: Santa Cruz, CA                                    |                |
| POST OFFICE ADDRESS: 214 Calcita Drive, Sar                  |                |
|  |                |
| FULL NAME OF THIRD INVENTOR: Brion Ebert                     |                |
| INVENTOR'S SIGNATURE: 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | C DATE: 9/8/04 |
| RESIDENCE: Easton, PA  |                |
| POST OFFICE ADDRESS: 3547 Glen Avenue, Ea                    |                |
|  |                |
|  |                |
| FULL NAME OF FOURTH INVENTOR: David Lav                      | wrence         |
| INVENTOR'S SIGNATURE:  |                |
| RESIDENCE: Newton, NJ  |                |
| POST OFFICE ADDRESS: 59 Plumer Road, New                     | ton, NJ 07860  |
|  |                |
| ELILL NAME OF FIFTH AN COLTOR                                |                |
| FULL NAME OF FIFTH INVENTOR:                                 |                |
| INVENTOR'S SIGNATURE:  | DATE:          |
| RESIDENCE:   | CITIZENSHIP:   |
| POST OFFICE ADDRESS:   |                |

Attorney Docket No.: 103880-033 US Page 1 of 3

## COMBINATION & POWER OF ATTORNEY

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| Prior Foreign Applic                             | cation(s)                     |                               | Priority Claimed |
|--|-------------------------------|-------------------------------|------------------|
| (Number)   | (Country)                     | (Day/Month/Yr, Filed)         | □ yes □ no       |
| (Number)   | (Country)                     | (Day/Month/Yr. Filed)         | 🗆 yes 🗆 no       |
| hereby claim the ben<br>Application(s) listed be |                               | 19(e) of any United States Pi | rovisional       |
| 60/404,360<br>(Application Serial N              | 8/19/02<br>No.) (Filing Date) | <del>-</del>                  |                  |
| (Application Serial N                            | No.) (Filing Date)            | <del>-</del>                  |                  |

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| POWE                                      | R OF ATT  | DRNEY: As a                      | named in   | ventor, I her                                  | eby appoint                                     |                           |   |
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| as my/o<br>in the P                       | our attorne<br>atent and  | y(s) and/or ago<br>Trademark Of  | ent(s) to p  | orosecute the                                  | is application<br>with.                         | and trans                 | sact all business                                     |
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|   |   | NATURE:                          | 1  |  |   | ATE:                      |   |
|   | 1   | st Brunswick,                    |  |  | <del></del>                                     | •                         | HIP: USA  |
|   |   | DDRESS: _27                      |  | Hill Road, E                                   | <del></del>                                     |                           |   |
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р.З 12003

Attorney Docket No.: 103880-033 US Page 3 of 3

| FULL NAME OF SECOND INVENTOR:    | Dirk Walvis                 |
|----------------------------------|-----------------------------|
| INVENTOR'S SIGNATURE:            | DATE: 9/16/2004             |
| RESIDENCE: Santa Cruz, CA        | CITIZENSHIP:_USA            |
| POST OFFICE ADDRESS: 214 Calcita | Drive, Santa Cruz, CA 95060 |
| 700,01,102,102,102               |                             |
|                                  |                             |
| FULL NAME OF THIRD INVENTOR: B   |                             |
| INVENTOR'S SIGNATURE:            | DATE:                       |
| RESIDENCE: Easton, PA            | CITIZENSHIP: USA            |
| POST OFFICE ADDRESS: 405 Canal   | Park, Easton, PA 18042      |
|                                  |                             |
|                                  | !                           |
|                                  | Social Laurence             |
| FULL NAME OF FOURTH INVENTOR:    | David Lawrence              |
| INVENTOR'S SIGNATURE:            | DATE:                       |
| RESIDENCE: Newton, NJ            | CITIZENSHIP: USA            |
| POST OFFICE APDRESS: 59 Plumer   | Road, Newton, NJ 07860      |
|                                  |                             |
| THE MANE OF THE LANGENTOR        |                             |
| FULL NAME OF FIFTH INVENTOR:     |                             |
| INVENTOR'S SIGNATURE:            |                             |
| RESIDENCE:                       | CITIZENSHIP:                |
| POST OFFICE ADDRESS:             | <u> </u>                    |
|                                  |                             |

Attorney Docket No.: 103880-033 US Page 1 of 3

COMBINATION DECLARATION & POWER OF ATTORNEY

as a below named inventor, I hereby declare that:

10 2004 1:12PM

My residence, post office address and citizenship are as stated below next to my name,

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| Prior Foreign Application                               | on(s)                    |                             | Priority  | Claimed |
|---|--------------------------|-----------------------------|-----------|---------|
| (Number)  | (Country)                | (Day/Month/Yr. Filed)       | □ yes     | □ no    |
| (Number)  | (Country)                | (Day/Month/Yr. Filed)       | ☐ yes     | □ no    |
| hereby claim the benefit<br>Application(s) listed below |                          | (e) of any United States Pr | ovisional |         |
| 60/404,360<br>(Application Serial No.)                  | 8/19/02<br>(Filing Date) |                             |           |         |
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Attorney Docket No.: 103880-033 US Page 2 of 3

| (Application Serial No.) | (Filing Date) | (Status)<br>(patented, pending, abandoned) |
|--------------------------|---------------|--|
| (Application Serial No.) | (Filing Date) | (Status) (patented, pending, abandoned)    |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punished by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| POWER OF | ATTORNEY: As | a named inventor, | I hereby appoint |
|----------|--------------|-------------------|------------------|
|          |              | •                 | , , ,            |

| ) | Practioners Associated with the Customer Number: | 23526 |
|---|--|-------|
|   |  |       |

as my/our attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

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## **DIRECT TELEPHONE CALLS TO:**

Davy E. Zoneraich

(908) 25204282

| FULL NAME OF SOLE OR FIRST INVENTOR: Otag Logvinov    | /                |
|---|------------------|
| INVENTOR'S SIGNATURE:                                 | DATE: 9/10/04    |
| RESIDENCE: East Brunswick, NJ                         | CITIZENSHIP: USA |
| POST OFFICE ADDRESS: 27 Beacon Hill Road, East Brunsv | vick, NJ 08816   |

Attorney Docket No.: 103880-033 US Page 3 of 3

FULL NAME OF SECOND INVENTOR: Dirk Walvis INVENTOR'S SIGNATURE: DATE: RESIDENCE: Santa Cruz, CA . CITIZENSHIP: USA POST OFFICE ADDRESS: 214 Calcita Drive, Santa Cruz, CA 95060 FULL NAME OF THIRD INVENTOR: Brion Ebert INVENTOR'S SIGNATURE:\_\_\_\_\_ DATE: \_\_\_\_ RESIDENCE: Easton, PA \_\_\_\_\_CITIZENSHIP:\_USA POST OFFICE ADDRESS: 405 Canal Park, Easton, PA 18042 FULL NAME OF FOURTH INVENTOR: \_\_\_David Lawrence INVENTOR'S SIGNATURE: MANIFE DATE: 9/16/201 RESIDENCE: Newton, NJ CITIZENSHIP: USA POST OFFICE ADDRESS: 59 Plumer Road, Newton, NJ 07860 FULL NAME OF FIFTH INVENTOR:\_\_\_\_\_ INVENTOR'S SIGNATURE:\_\_\_\_\_ DATE: \_\_\_\_ RESIDENCE:\_\_\_\_\_CITIZENSHIP:\_\_\_\_\_ POST OFFICE ADDRESS: